



George Washington University



Bachelor of Science in Health Sciences - Clinical Research Admin

STUDENT DATA:

NAME: ROADMAP'S DEGREE

SSN: 000-00-0000

Credit	Potential
Required	Credit

General Education Requirements

A minimum of 30 semester hours toward the degree must be in general (non-technical or non-applied) coursework and include the following:

English composition	(6 hours)
Mathematics	(3 hours)
Statistics	(3 hours)

(HSci 115: Introductory Biostatistics for Health Science Professionals may be taken to satisfy this requirement)

Science	(6 hours)
Humanities or social sciences	(12 hours)

General education course work may be completed by taking courses at community colleges and other accredited institutions of higher education, through the PACE program, or by taking CLEP or DANTES examinations.

English Composition Electives

6.00

(College credit by examination may apply. Visit the GWU website for a description of these courses.)

{DANTES Code = 11.07.00}

Mathematics Elective

3.00

(College credit by examination may apply. Visit the GWU website for a description of courses available.)

{DANTES Code = any 14.XX.XX series}

Introductory Biostatistics for Health Science Professionals (HSCI 115)

3.00

(Basic concepts of biostatistics with application to the health sciences professions. Research design, frequency distributions, descriptive measures, probability, sampling, regression and correlation, analysis of variance, hypothesis development/testing and data organization/analysis options are covered. Prerequisite for HSci 191. College credit by examination may apply.)

{DANTES Code = 14.09.00 or 14.09.06}

Science Elective**6.00**

(College credit by examination may apply. Visit the GWU website for a description of courses available.)

{DANTES Code = 16.13.00 or 16.99.00 or most 16.XX.XX series}

Humanities or Social Sciences Electives**12.00**

(College credit by examination may apply. Visit the GWU website for a description of courses available.)

{DANTES Code = 08.06.00 or most 08.XX.XX series or 20.XX.XX series}

Core Courses in Health Sciences**Psychosocial Aspects of Health and Illness (HSCI 101)****3.00**

(Comprehensive introduction of the psychological and social aspects of health and wellness, including social foundations of behavior and psychological theories related to health and the impact of illnesses on patients, families, and communities. Emphasis on the development of communication skills and the establishment of caring relationships. Discussions of special situations such as working with dying patients and patients with self-destructive behaviors.)

Pathophysiology (HSCI 102)**3.00**

(Biomedical and scientific framework for the understanding of human disease mechanisms and biologic processes. Lecture presentations cover infectious, immunologic, cardiovascular, genetic, respiratory, gastrointestinal, neoplastic, reproductive, renal, hematologic, neurologic, and musculoskeletal diseases.)

Health Policy and the Health Care System (HSCI 103)**3.00**

(Incorporates economic theory and policy analysis methodology to analyze the impact of changes in the health care system on the practice of health sciences professionals and the quality and process of health care. The role of state and federal legislation will be explored, and critical aspects of the U.S. health system are compared to those of other countries. Development of critical thinking skills through review of current medical literature.)

Management of Health Science Services (HSCI 104)**3.00**

(Application of management and organizational principles to the delivery of services provided by health sciences disciplines. Issues addressed include information systems, leadership, team building, fiscal management, human resources management, quality improvement, and management of conflict and change.)

{DANTES Code = 09.05.00}

Ethics for Health Professionals (HSCI 105)**3.00**

(An overview of ethics and ethical reasoning in the health professions. Basic issues and requirements of ethically acceptable decision making with patients throughout their life span, including patient confidentiality, conflicts of interest, allocation of scarce resources, occupational risks in health care, and professional responsibility for overall quality of care. Provides approaches to ethical problem solving.)

{DANTES Code = 17.05.02}

Clinical Research Administration Courses in the Major**Foundations in Management Information Systems (HSCI 106) 1.00**

(Computer technology as a tool of the health sciences, focusing on the use and application of specific software packages, the Internet, and management information systems in health care settings.)

{DANTES Code = 03.10.11}

The Basics of Clinical Research (CL 150) 3.00

(Fundamental concepts, trends, regulations, and practices in clinical research. An overview of industry and government practices and policies in the development of patient care products (drug, devices, biologicals and diagnostics) and treatment protocols. Focus on interactions among the scientific, medical and social needs. The regulatory environment, ethical and fiscal issue is considered. First course in the series. Completion of or concurrent enrollment in HSci 106 is required.)

{DANTES Code = 09.05.00}

The Processes of Clinical Research (CL 151) 3.00

(Introduction to the processes, procedures and treatment protocols in the development of patient care products, including ROI applications, clinical trial protocols, institutional review board standards, adverse event monitoring and the supporting documentation and practices to obtain the Food and Drug Administration approval. May be taken concurrently with HSci 150.)

Good Clinical Practices (CL 152) 3.00

(The organization and management of data, documents, materials and findings resulting from clinical research as prescribed by governmental institutions, regulatory agencies, industry sponsors and research organizations. Audit standards and mechanisms are introduced. Practice audits are conducted. Taken after HSci 150 and 151.)

The Business of Clinical Research (CL 153) 3.00

(Fiscal and managerial components of clinical research, including the budgeting processes, fiscal management, software applications, legal and contractual issues, and recruitment of personnel and subjects are examined. All of the entities involved in clinical research, including drug, device, biological and diagnostics sponsors, academic medical centers, and contract research organizations, site management companies, physician run organizations and health delivery organizations are examined. Taken after HSci 150 and 151.)

Selected Topics in Clinical Research (CL 154) 3.00

(Guided readings and study in aspects of clinical research administration of particular interest to the students. Taken after HSci 150 and 151.)

Clinical Research Administration Internship (CL 155) 3.00

(The student selects, develops and executes project within a clinical research setting at the student's home base to strengthen their skills in clinical research, communication, presentation, project management and decision making. A comprehensive report is required upon completion of the

course. Last course in the sequence.)

Advanced Standing and Electives

56.00

(Up to 60 credits of advanced standing may be awarded to graduates of non-college based health sciences programs who present appropriate documentation and professional certification. Credit earned toward an associate degree in a health sciences field will be evaluated for transfer as academic credit.

Electives should be selected in consultation with a Clinical Research Administration advisor. The general education and elective course work may be completed by taking coursework at community colleges and other accredited institutions of higher education, through the PACE program, USCG Afloat, or by taking CLEP or DANTES examinations.)

Excess or Duplicate Credit

TOTAL	120.00	0.00
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Thank you for requesting support from the U.S. Coast Guard Institute (CGI). Whereas we serve as an activity in support of your unit Educational Services Officer (ESO), you are encouraged to seek assistance from your local ESO in your academic endeavors. The following information is provided to help you understand what is presented in this degree plan:

This document is an UNOFFICIAL Degree Plan to provide you with a preliminary assessment of how your prior learning experiences might fit into the specified degree program for this academic institution. If you choose to pursue this degree option, you must present it to a college representative, who will review it for the following:

- o Accurate representation of the college's degree program requirements, including course numbers and titles, credit hours for each course, lower- and upper-level course requirements, and the total number of credits needed for the degree.
- o Appropriate assignment of ACE Guide-recommended credit at the lower or upper level for military service schools and occupations, CLEP, DSST, and other tests, transfer credit for courses from other colleges and universities, certification programs, etc.
- o Appropriate assignment of SOC Course Category Codes from the SOC Handbook Transferability Tables. The SOC Degree Program Handbooks can be obtained from the SOC web site at: www.soc.aascu.org should you wish to learn more about the course transfer guarantees among SOC network institutions.

IMPORTANT NOTE: When you are ready to seek admission into this degree program, please contact the USCG Institute at 1-405-954-7241. Your advisor will send the college or university an official U.S. Coast Guard Institute transcript, a copy of the degree plan, and a ready-for-signature SOC Student Agreement which, when signed by a college official, becomes a contract for degree completion committing the college or university to supporting you in your academic endeavors.

Credit for all courses you have taken must be reflected on official transcripts sent directly to this college from the administrative offices of the colleges you

previously attended. This degree plan is often used for information purposes by college counselors pending receipt of the official transcripts from the source colleges.

This degree plan is not intended to compete with your local college or university. Keep in mind, you are allowed to transfer in a significant amount of the degree requirements to this institution. As such, credit from local colleges, college level examination programs, or advanced military training may be applied to this degree. You may also complete the courses necessary from this college either in residence (on campus or possibly on a military base at a campus extension in the Education Center) or through distance delivery of the courses. If you have questions, please contact the college counselor or your advisor listed at the bottom of this Degree Plan.

DEGREE PLAN LEGEND:

SH = Semester hours
VOC = Vocational, not relative to an academic degree
LL = Lower Level, i.e. courses at the Freshman/Sophomore level
UL = Upper Level, i.e. courses at the Junior/Senior level
GL = Graduate Level (sometimes recommended by ACE for very complex courses)
[#] such as [EN024A] or [EN024B] = SOC Course Category Codes*
{#} such as {DANTES Code = 01.02.03} = DANTES Academic Codes **

* SOC Course Category Codes: Service members Opportunity Colleges (SOC) is a consortium of over 1,600 accredited colleges and universities seeking to provide degree opportunities to the military. Over 170 of these institutions participate in network degree programs developed for the Army, Navy, Marine Corps, and Coast Guard. A SOC course category number beside a course from one of these institutions, such as [EN024A] or [EN024B] for English Composition, indicates that courses from other degree program institutions with the same code may be taken to satisfy the degree requirement. See the SOC Degree Programs Handbooks at <http://www.soc.aascu.org/>

** DANTES Academic Codes: The Defense Activity for Non-Traditional Education Support (DANTES) publishes the DANTES Independent Study Catalog (DISC) annually, which lists more than 6,000 courses from dozens of regionally accredited colleges and universities. Because this is a degree from a SOC affiliated college, the academic residency requirements are limited, thereby allowing students to transfer in a significant portion of the degree, as mentioned above. If the course you desire to take is not offered by this institution when you want to take it, consider the opportunities the courses in the DISC present. For more information, visit http://www.dantes.doded.mil/dantes_web/distancelearning/disc/front/cont.htm Keep in mind, you should always check with the counselor or academic advisor at this institution before enrolling in a course listed in the DISC to ensure it will be accepted in transfer toward this degree.

George Washington University: General Information

The George Washington University opened in 1821 as Columbian College, when Washington had only nine physicians and two apothecaries. The time was ripe for change, and in 1825 the college added a medical department to its curriculum. This, the eleventh medical department in the nation and the first in the capital, would

evolve into the internationally recognized medical school, hospital, and ambulatory care facility, The George Washington University Medical Center. More than 600 graduates of the Health Services Program are now leaders of healthcare enterprises. Nearly 400 sponsored research projects with available funding exceeding \$64 million with opportunities for student participation.

Teaching and research affiliations include:

Children's National Medical Center; Holy Cross Hospital
INOVA Fairfax Hospital
The National Institutes of Health
Sibley Memorial Hospital
The Washington Hospital Center
Veteran's Administration Medical Centers in Washington, DC, Martinsburg, WV.
GWUMC provides many services to the community through healthcare delivery, health education and training with student participation.

FACULTY

The faculty at GWUMC are among the most distinguished professors in the nation. The faculty are experienced clinicians and researchers, and come to GW with the intent of advancing their particular educational discipline. We pride ourselves in providing one of the best distance education experiences in the nation.

ADVANTAGES OF DISTANCE EDUCATION

Provides an opportunity to pursue a formal, academic degree or certificate from the convenience of your own home or office site.
Courses are conducted in flexible, convenient, and interactive formats allowing easy access to course materials, faculty, healthcare and research experts, as well as other students' expertise using a variety of media and technology.
Courses may use videotapes, audiotapes, the Internet, printed study guides, textbooks and/or CD-ROMs.
Offers options for busy adult learners with competing professional, personal, and financial commitments.

Tuition for students is: \$363 per credit hour for Undergraduate online. (subject to change)

FOR FURTHER INFORMATION

For Program Specific Questions:

Joseph M. Bocchino, Ed.D.
George Washington University Medical Center
School of Medicine and Health Sciences
900 23rd Street, N.W., Hospital 6185
Washington, DC 20037
Telephone: 202-994-5129 Fax: 202-994-0181
Email: bocchino@gwu.edu
Website:
<http://www.gwumc.edu/healthsci/programs/CRA/cra.htm>

Admission Application or Information:

George Washington University Medical Center

School of Medicine and Health Sciences

Health Sciences Admissions Office

900 23rd Street, N.W., Hospital 6142

Washington, DC 20037

Tel: 202-994-8528

Fax: 202-994-0870

Email: hsphora@gwu.eduWebsite: <https://app.applyyourself.com/?id=gwu-smhs>

POLICY NOTES:

ENTRANCE REQUIREMENTS

In addition to required admission material, applicants must submit documentation showing: successful completion of at least 60 credit hours of college level course work, including 6 hours of English composition, 3 hours of mathematics, 3 hours of statistics, and submit appropriate documentation of preparation at the Associate's degree or equivalent level in a health sciences discipline or have a clinical research background with an overall GPA at 2.5 or higher.

This college is rated as one of the nation's best in U.S. News & World Report's "America's Best Colleges" issue.

Evaluation completed by: Charles MorrisonOn: 17 May 2007